

### **ABSTRACT OF THE DISCLOSURE**

Methods are disclosed for sterilizing biological materials to reduce the level of one or more biological contaminants or pathogens therein, such as viruses, bacteria (including inter- and intracellular bacteria, such as mycoplasmas, ureaplasmas, nanobacteria, chlamydia, rickettsias), yeasts, molds, fungi, single or multicellular parasites, and/or prions or similar agents responsible, alone or in combination, for TSEs. These methods involve the use of stabilizer mixtures in methods of sterilizing biological materials with irradiation.